

522,265
10/522,265

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
5 February 2004 (05.02.2004)

PCT

(10) International Publication Number
WO 2004/011064 A1

(51) International Patent Classification⁷: **A61M 5/19**, 5/315, A61J 1/00 (74) Agent: FRANK B. DEHN & CO.; 179 Queen Victoria Street, London EC4V 4EL (GB).

(21) International Application Number:
PCT/GB2003/003187

(22) International Filing Date: 25 July 2003 (25.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0217285.6 25 July 2002 (25.07.2002) GB

(71) Applicant (for all designated States except US): CAMBRIDGE CONSULTANTS LIMITED [GB/GB]; Science Park, Milton Road, Cambridge CB4 0DW (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SNELL, Richard, Andrew [GB/GB]; 20 Marshall Road, Cambridge CB1 7TY (GB). ARLETT, Ben [GB/GB]; 47 Kingston Street, Cambridge CB1 2NU (GB). DROUGHT, Nicholas, Andrew, Murray [GB/GB]; 14 Woodman Way, Milton, Cambridge CB4 6DS (GB). WILLIAMS, John, Vaughan [GB/GB]; 4 New Town, Cottenham, Cambridge CB4 8TL (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

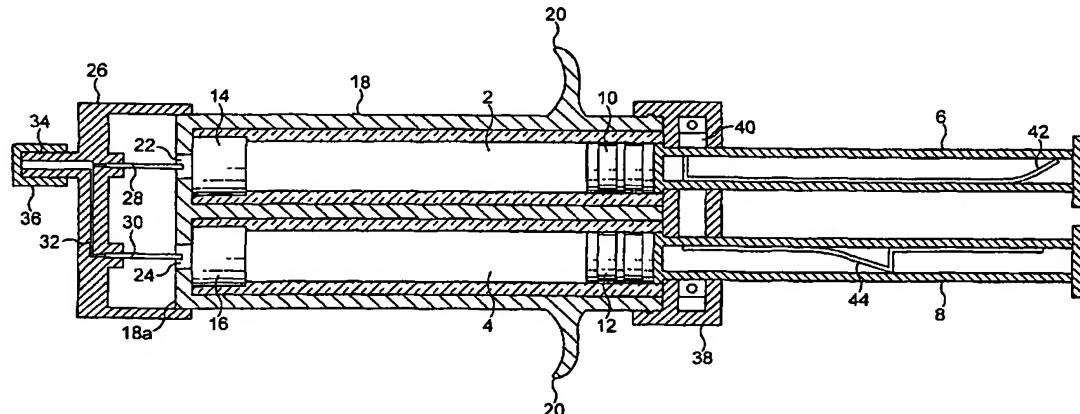
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYRINGES



WO 2004/011064 A1

(57) Abstract: A two-part syringe comprises two chambers (2,4) each chamber having an associated plunger (6,8) operable to eject fluid therefrom. The plungers (6,8) are interlinked so as selectively to prevent movement of one of said (6,8) plungers in its respective chamber (2,4) dependent upon the position of the other plunger (8,6). Such an arrangement allows lyophilised drugs to be automatically reconstituted within the syringe prior to injection into a patient.